

Indoor Pools - Removal of Condensation

Jeff Feltham from 'PacPines Pool and Spa' in QLD and Howard Gumbley from 'Hilton Brown Pools' (NZ) both approached Airius to find a solution to the condensation inside their indoor pools using their unique Air Pear® Air Turbines.

Both installations proved very successful and more indoor pool operators in both Australia and New Zealand are using the unique Airius Air Pear Air Turbine technology to reduce condensation and improve the amenity of the pool enclosure.

CASE STUDY 2015



Indoor pool owners and operators often have ongoing problems with unsightly condensation seriously impacting the amenity and longevity of their pools. The corrosion corrodes certain pools surfaces, obstructs views through glass walls and windows and has a negative impact on the amenity in the pool. The condensation can become so bad it seems like it is raining inside the pool! The usual rectification methods often involve expensive to purchase and run dehumidifier equipment or detailed engineering including duct work and air conditioning plant changes.

1) Jeff Feltham from Pacific Pines Pool and Spa Services on the Gold Coast approached Airius Oceania about removing the terrible condensation problem inside one of his client's pools at the Gold Coast in Queensland.

The pool enclosure dimension was 29 metres long by 10 metres wide. The roof had a high point of 9 metres and one wall of the enclosure was 2.5 metres high and the other wall was 5 metres high.

Airius recommended the use of 5 x Model 15 Airius Air Pears and 3 x Model 45 PS 4 Air Pears to be spaced around the pool at specific locations.

The almost silent Air Pears work by circulating the air around the space offering air movement that increases the 'dew point' which draws the moisture from the surfaces into the air. A simple and inexpensive solution to a typical indoor pool issue.

The trial has been very successful and the condensation was largely eliminated and the amenity in the pool has been greatly improved. The response from our customer was very good as can be seen by their testimonial.

2) Hilton Brown Pools in New Zealand has five pools around the North Island and has used Airius Air Pears in two of those with more pools to come.

In one pool in Albany, NZ, they had issues with condensation in their changing rooms and their main pool area and have used a range of Air Pears from a single model 15 in a change room to a model 60 in the main pool area. In all cases the condensation has been removed and pool thermal comfort and amenity significantly improved.

In another pool at Havelock North, 24 x 14 metres in size with 4.8 ceiling height, they achieved excellent results again using a Model 15 (Short) Air Pear and two Model 25 Air Pears which removed the condensation, improved the internal environment and achieved significant pool heating energy savings.

Airius work with all owners or operators of indoor pools to:-

- Reduce condensation
- Reduce pool water heating costs
- Reduce air heating and cooling costs
- Improved air distribution /circulation around and across the pool
- Reduce stuffiness and clamminess
- Improve indoor thermal comfort
- Clean smelly change rooms

**For further information, please contact
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TESTIMONIAL

11.08.14

1) "...but the pool surrounds feel much better."

".... Spoke to the operators last week & they have said the general air conditions around the pool have improved & that the condensation has improved greatly especially around the front office & counter areas..."

Kind Regards

Jeff Feltham

Principal Owner

PACIFIC PINES POOL & SPA SERVICES

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2) Albany Pool ,NZ

"....Within hours we noticed a difference and two days later the entire space was a lot drier, with less damp odour.

Although we had previously spent vast amounts of money installing mechanical air handling units and ducting systems in this space, there were still areas around the pool where instructors and customers found it very humid. The Model 60 Air Pear not only alleviated this issue but helped dry out an end wall that was often wet with condensation. We have since installed other units in more of our facilities..."

3) Havelock North Pool, NZ

"....Air quality dramatically improved, Glass viewing wall was constantly fogged up prior to the installation of the Air Pears. Within a day of the installation there was virtually no condensation on the glass. The concrete area around the pool dries out much faster than it did before the units were installed..."

These things are simple to install and very economical to run, but above all they deliver results."

Howard Gumbley
General Manager



Havelock North, NZ